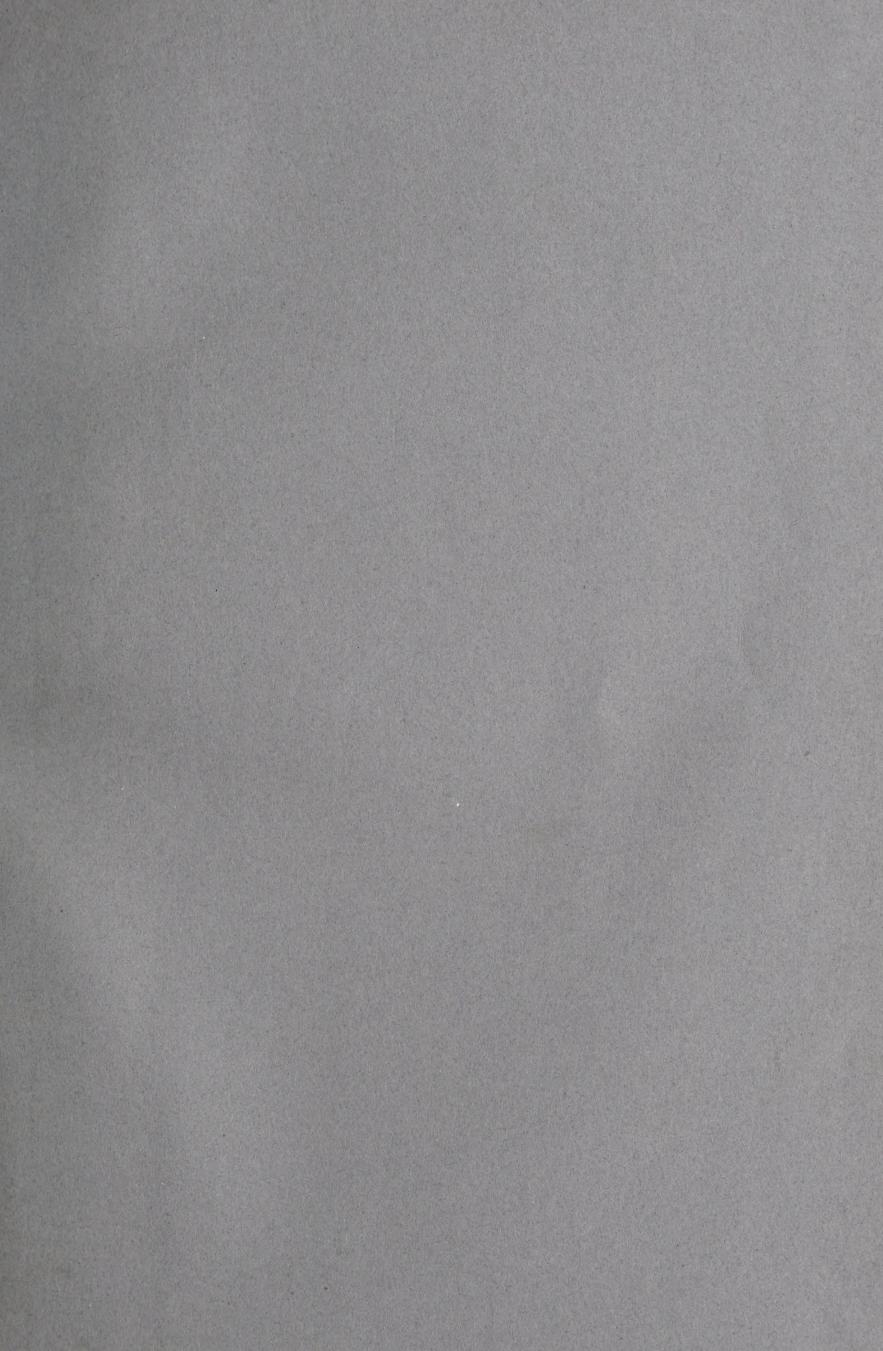
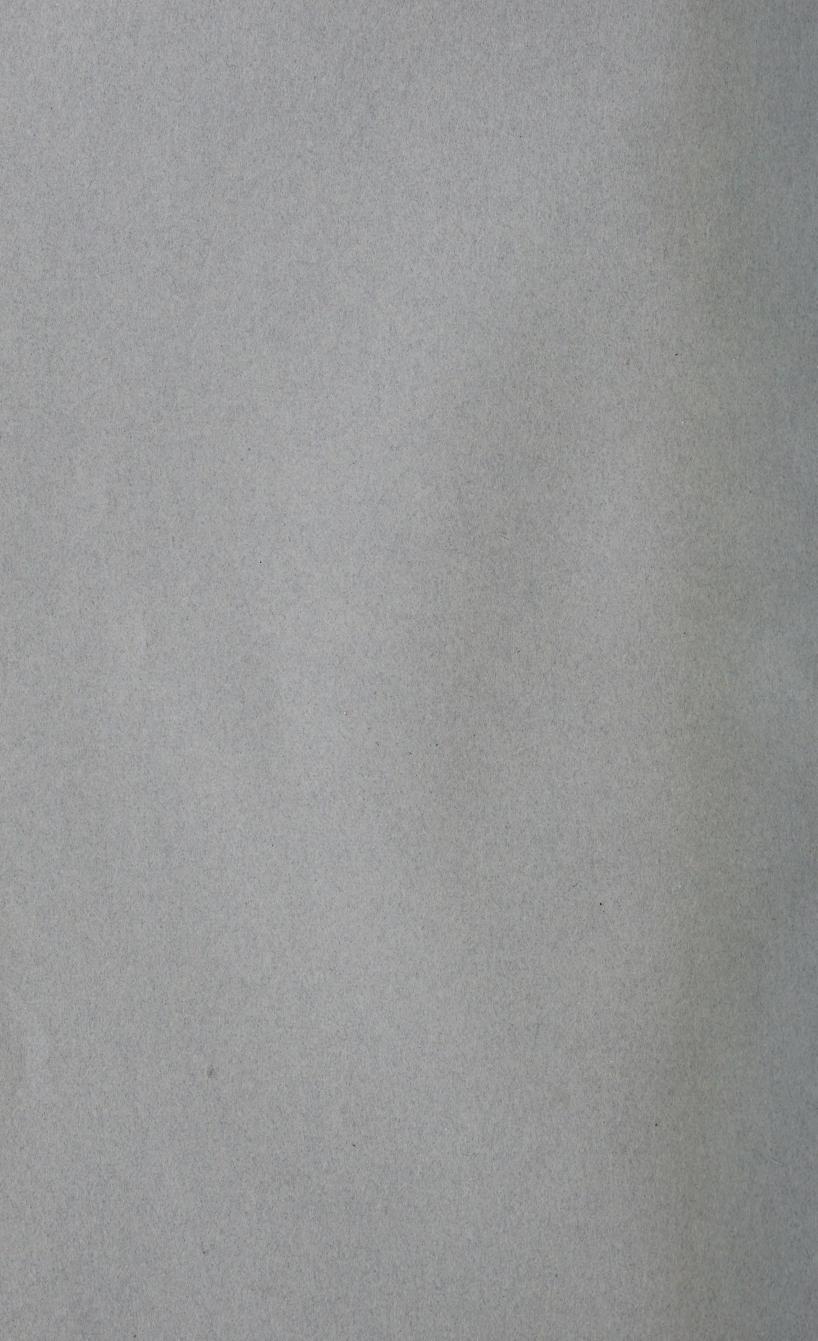


UNIVERSITY OF CALIFORNIA MUSEUM OF VERTEBRATE ZOOLOGY









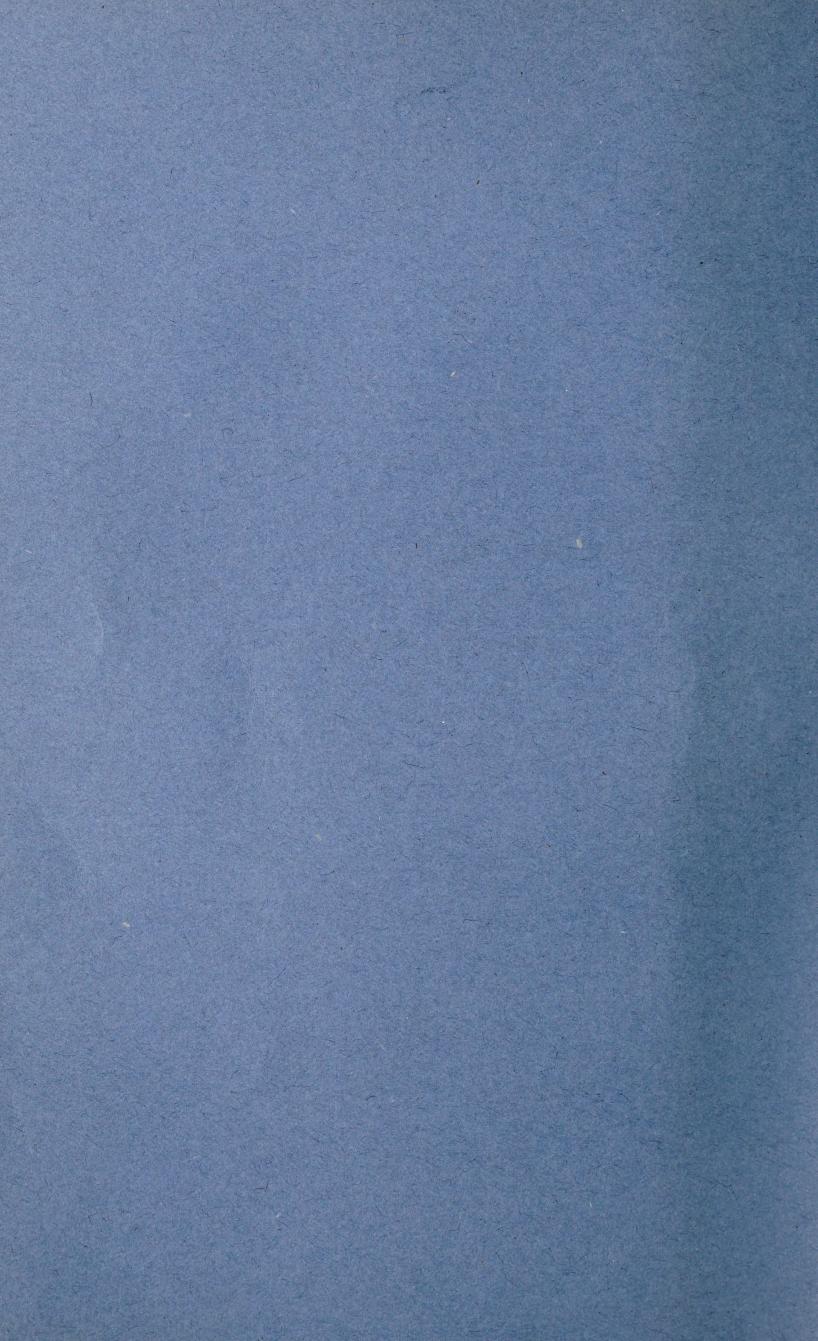
Engels, W.L. 1935-1936

1. various California countres may 1935 - may 1936

2. Arizona May - June, 1936

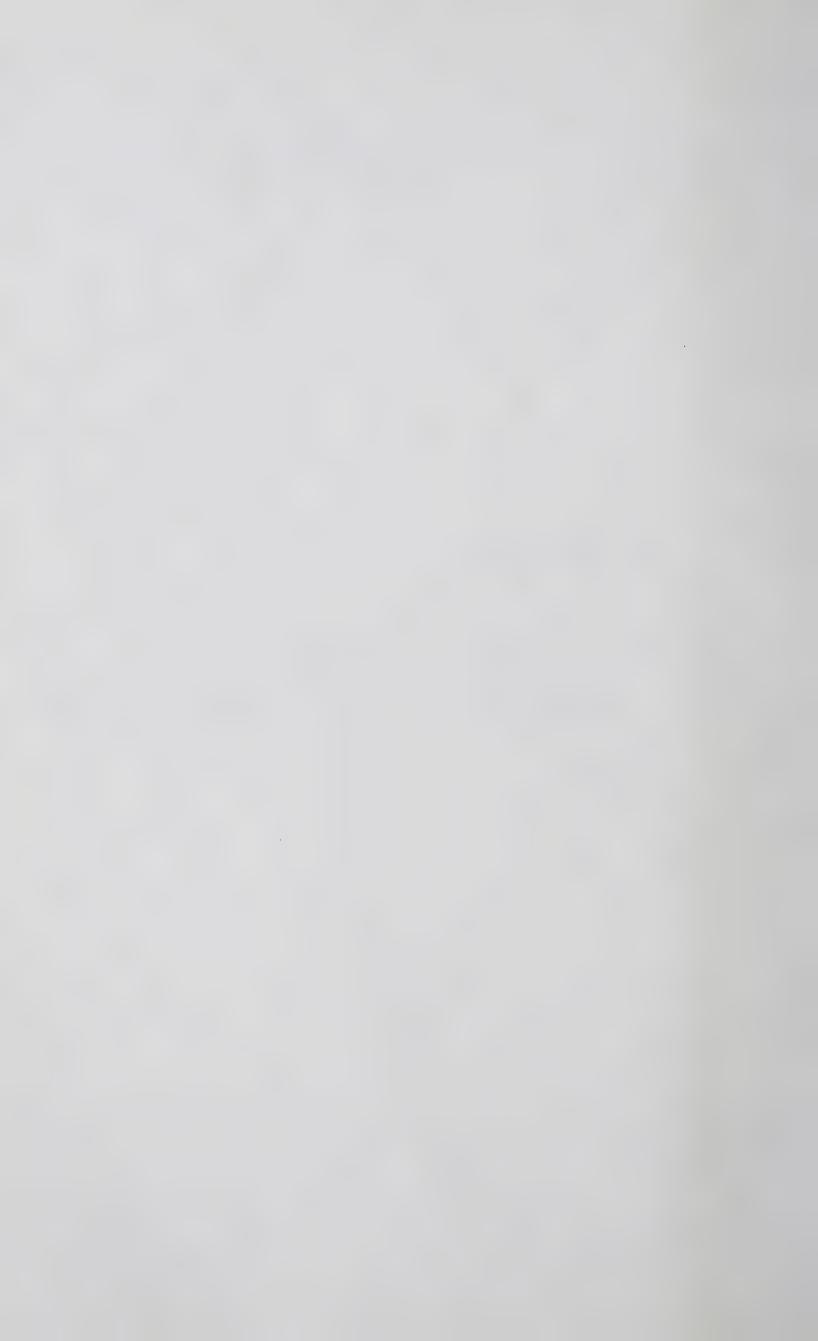
3. Wisconsin Jeine, 1936

Engels, W.L. various California Cos. 1935 - 1936



Engels, W.L. 1935

various California counties Catalog of specimens #275-305 General accounts



## 100- ft., 1/2 mi. NEAmerican River, North Sacraments, Sacramento Co., Calif. May. 9, 1935

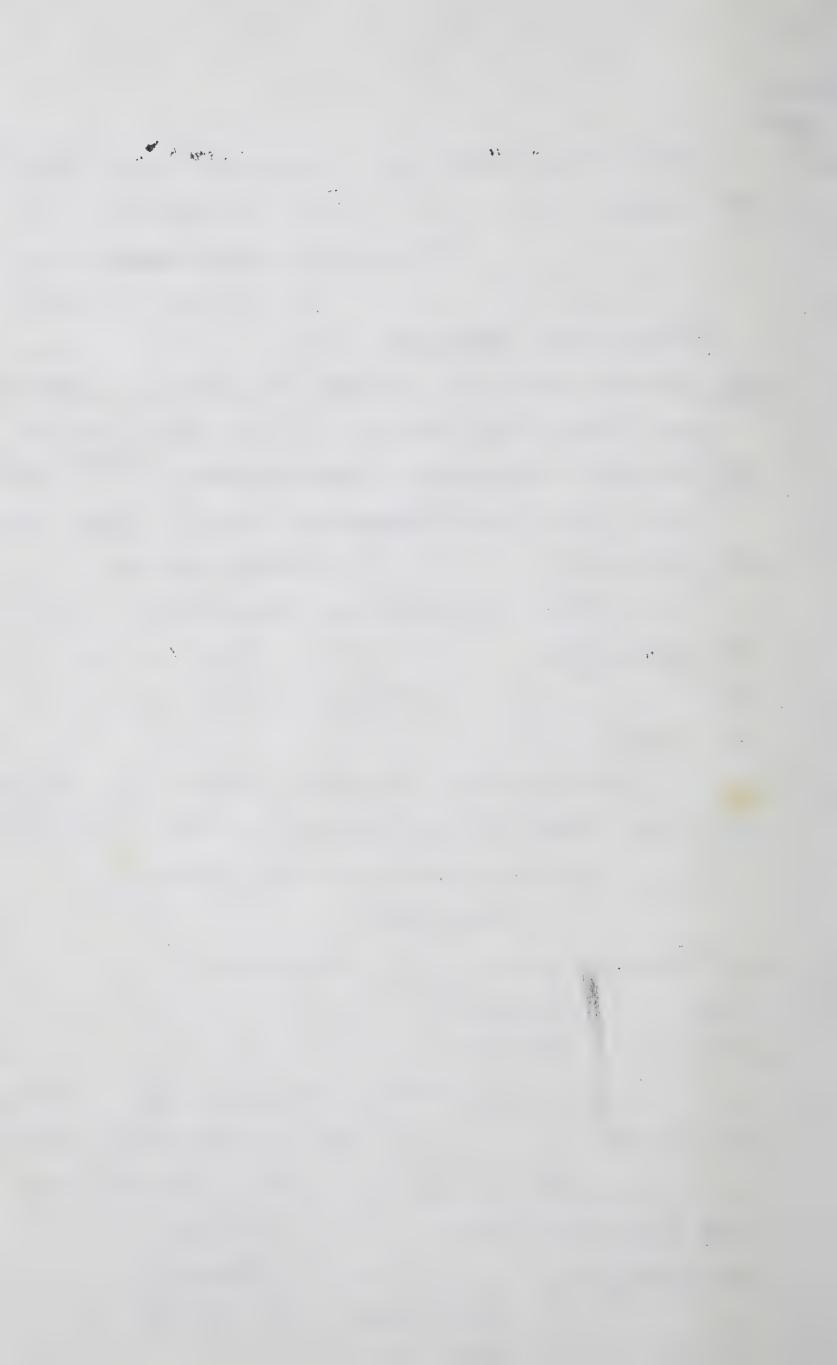
275	2 Thomomys	175-50-23-4	day soil
276		180-48-27-4	()
	100-ft., 0.7 mi. NEan	180-48-27-4 verican River, North Escram. Palif. May 9, 1935	ento,
	sacramento Co., C	alif. May 4, 1935	
277	& Thomomys	198-55-27-5	clay soil
278	2 Thomomys	165-45-23-4	H
	35ft., 13.3 mi. S Sac may 9, 1935	165-45-23-4 eramento. Sacramento Co. C	alif.
	8 Thomomys		
280	O homomys	188-53-28-5 Month Succession	(C.R. Sprinkle)
	Sacramento Co.	188-53-28-5 testis x 5 mm huerican River, north Sucran Calif. Neary 9, 1935.	- 'a+
	1 /		
281	6 Thomomys	170-47-24-5 testin ×4 m	m. (C. n. springle)
	7	may 13, 1935	aittel
282	8 Thomomys	205-63-26-5 Kiti X14	sitty clay
	4	merican River, north Sucramin	
		may 10, 1935	cley soil.
283	4 Thomomys	170-47-23-5	,
	21/2 mi. N Stock	170-47-23-5 eton, San Joaquin Co., California may 10, 1935.	٤
284	4 Thomomys	195-55-25-5 (C.R. Spr	inple)
may 11, 1935			
285	4 Thomomys	190-55-24-6	
286	8 Thomomys	220-65-29-7 Futes	X17 mm
	3 Thomomys	220-68-28-6 testes	X15mm
	•		
200	32 H. 9/10 mi. N Byr	on. Contra Costa Co., Calif. may 11, 1935	
_	V	may 11, 1935	John Charles
	3 Thomomys	217-65-30-7 testa	X5 mus rocky soil.
	Berkeley, alar		
	724 - 70 - 27		
	May 30, 1935	Killed accidentally (moure trap)	I'm Captivity -   Band
290	Junco	Relled accidentally (mouse trap)	Muller arrang 157643

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Engels
 1935
          Berkeley, Alameda Co., (alif. June 6, 1935. dudin captivity.
                                  band. H-57645
     291 Juneo
                              Une 7, 1935, died in captivity
                                                 band H-57644
          Dulon Beach, Marin Co., Calif.
     292 Phalaropus fulicarius. dune 29, 35. Pick-up. skeleton.
     Jmi. S. Salmon (reek, Sonoma Co., Calif. June 30, '35.

193. Uria troille californica. Captured on beach. — skeleton.
          1/2 mi. S. Nick's Cove, AtTomales Bey, Marin Co., Calif. July 4, 35
     294. Large Hank. Skeleton, pick. up.
                  Rolland Poud, Dillon Beach, Marin Co., Calif. 200745 from
     295 gaster snake
                                             July 23, 1135
     296
      297
               Second. Sled Road Pt., Dillon Beach, marin Co. Calije July 24, '35
      298 Sea lion. Skull. From carcas washed up on back - " maxillae a pur.
                   6.2 mi. ssw Merced, Merced Co., California
                         Nov. 8, 1935.
     2998 Thomomys 202x50x23x5
                                        testes X18 mm
      300 $ 170-55-22-4
      301 9 " 165-45-22-3
              16 mi. wew Los Banos, Merced Co., Calif. Nov. 8, 1935
      302 & Spectyto
                                       alcoholic (minus skin + viscera)
              Sweeney Rauch, 22 mil wsw Los Banos, merced Co. (alif.
                                             AReleton
      303 2 loxostoma redivivum
      304 o Sylvilagus
                                             skull only.
                           nov. 9, 1935
                                                  1500 H.
```

185-50-23-3

305 2 Thomomy



Engels 1935.

Socramento County, California. Yolo Co., Calif.

May 8, 1935. Left Berkeley with C.R. Sprinkle at 10: vilock this morning. First stop, for gophers, was 1 mi. west, 1/2 mi, south of Elk grove Cross road, which is 13 mi. south of Sacramento. In an alfelfa field here I retout I trap. workings were very hard to see because they were hidden by the rank vegetation. 1/4 mi. north of Elk grove Cross. road (123/4 mi S. Sacramento) I made another set on a bank by a culvert. A third set put out 12 miles south of Sacramento in a field by the road.

\* (orchard)

\* - Upper Stockton Road

\* - 13 mi. S. Sacramento

- cemetery

TE

Fourth set made in roadside ditch about 4 mi. north of last (about 11 mi. S Sacramento).

Sprinkle set out 6 traps to may four, in approximately same localities.

Are drove on into Sacramento & took U.S. Highway 99 W out of town (toward Davis). We looked for sign of pocket gophers are along this road, deriving slowly, and getting out + walking twice, up to the yolo Causeway (yolo County). We drove to the west end of the Causeway and since the

95 9 Aide 13.5.

24.25

Engels 1935. Vicinity of Sacrament, Sacramento Co., California, yolo Co., Calif.

May 8, 1935 (cont.) country there was about the same we hirmed + came back. Throughout this entire stretch, from Sacramento west, we saw absolutely no sign of prochet gopher, although we searched diligently. The Country is very low + marshy, cut by drawage ditches, dykes + railrocks and road-embantements. Where it is not cultivated, to beets & other truck-garden stuff, it is covered by an extremely bush & rank regulation. It is probably throughout too wet, periodically (spring rains + floods), for pocketgophers. We thought we might find them along the railroad embankements, but there were more we could see. We also followed, for a few miles, a road more or less paralleling U.S. 99 w about / mi. north - this country was similar in topography, I without pocket gophers that could be seen. May 9, 1935. This morning we set out to look for gophers NA of Bacramento & found workings in x about an old race-track, now used are pastiere for

gophers No of Sacramento of found workings in a about an old race-track, now used as a pastiere for horses, on the east side of US/righway 99E, 1/2 mi. NE. American River, in the outskirts of Sacramento. I made two sets, one of them a double. We then drove south out of Sacramento along U.S. Highway 99 (Upper Stockton road) to look at the trafes set out yesterday of checked mileage to these points on the trucks speedometer. At the orchard (12-2 mi. S. Sacramento) my single set was undisturbed but there were fresh diggings



Vicinity of Sacriments Socramento Co., Celifornia

immediately adjacent to it, + I reset in those. I found more fresh diggings in two spots further along the ditch between roud + orchard + made a more sets. In all three of these diggings, freshly out regetation was found in the burrow mouth. The third of yesterdays sets (12.7 mi. 5 Sucramento) was folingged up & the trup buried. The second set, at the culvert just north of the crossward (13.3 mi. & Sacrament) Caught an immature gopher. The subsoil here was red clay. Yesterday's first set, in the parties 3W the cross road, was undisturbed, & I picked up the trafe. Sprinkle caught one gopher here. We returned to Sacramento; looked at my 3 by the orchard on the way but The sets were undisturbed. We then ran the haps NE the american siver; I caught a sub-adult I in each of my two sets. I made another set here, in the horse-pasture - we drove on 0.2 mi. further; un the grass along side an wrighted granden I put out three trajes. 1/10 mi. N american niver we turned west on a short side road. I wa field of alfalfa + wild outs, where diggings were quite scarce I put out another trafe.

American C.

After hunch we non the traps S

of Sacraments again. Not disturbedleft them There. Returned to Sacraments,

N of American river- no gopher at

old race-track; tools up trap.



Engels 1935 Vicinity of Sacramento Stockton,
Sacramento Co., Culifornia. + San Joaquin Co., California

May 9, 1935. (cont.)

be then went on to our next locality - 8/10 mi. NE American
River. - This is just inside the city himits of Month Sacramento, +
our sets are at the end of Brich Ave. I put out one more trap here.

Later we crossed U.S. 99E + went along Southgate Road, North

Sacramento for about a half-mile - in a field here I forend

fairly fresh looking workings in two places + put out 2 traps,

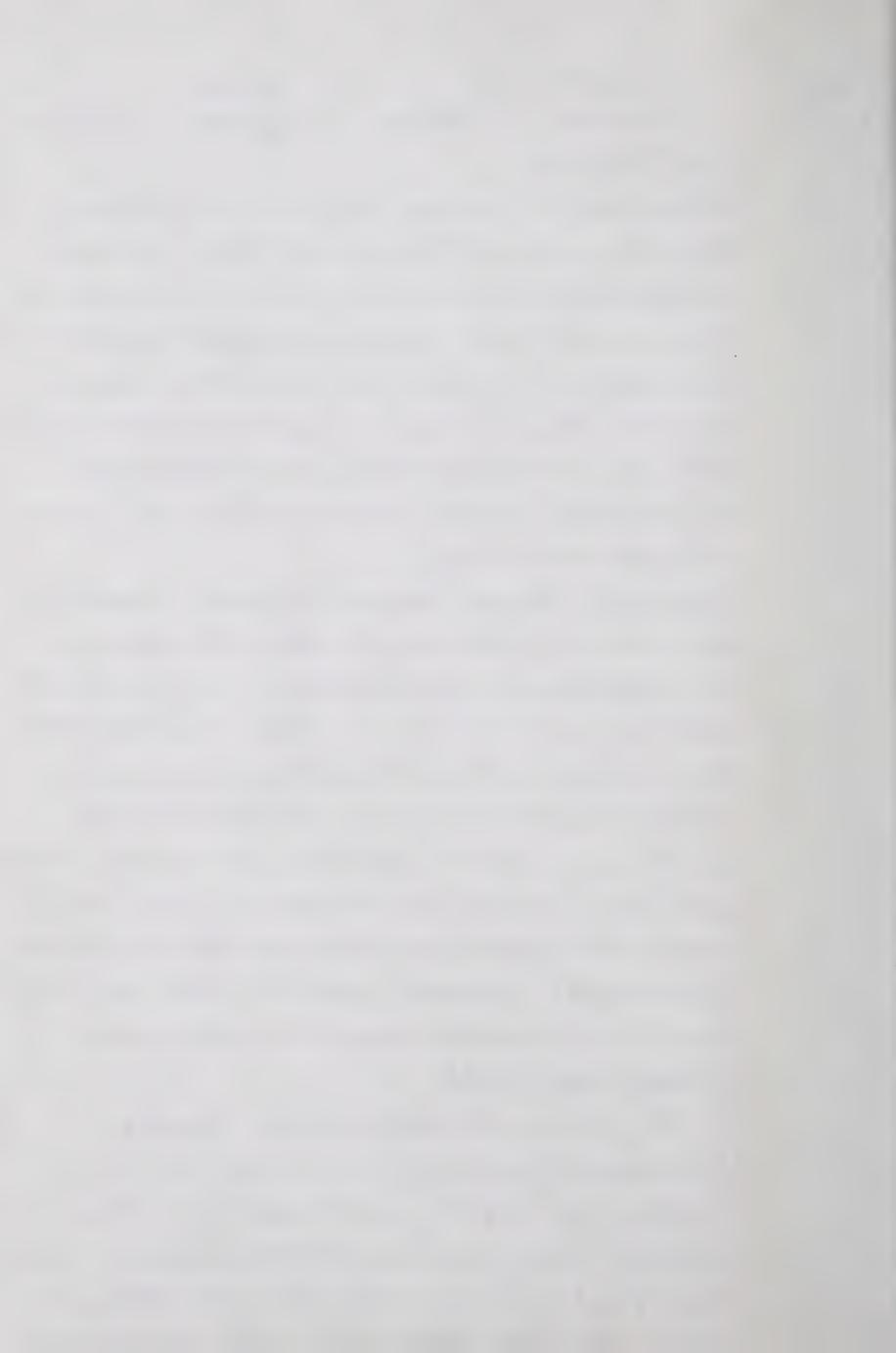
his then san sel the traps we had out, but had no luck.

We picked up one of my sets at the orchard (12.2 mi. S. Secramento)

+ Sprinkle reset it nearby.

May 10, 1935. Sprinkle was sick last night + unable to skin, so we had to take care of his skins this morning + did not get away from our auto camps in west Sacramento until 11:00 am. we first ran our traps mean, Hoa Morth Sacramento, + priked them all up. More of mine were disturbed except two; - I took an adult & gopher in the fill at the end of Birch Ave, North Sacramento + a young of gopher in the road by the garden 1,7 mi. No American river, we then headed south + picked up our traps mean the grove (12 mile & Sacramento) - mine were undisturbed. All in all, we had fair luck at Sacraments, inasmuch as gophers were extremely hard to locate.

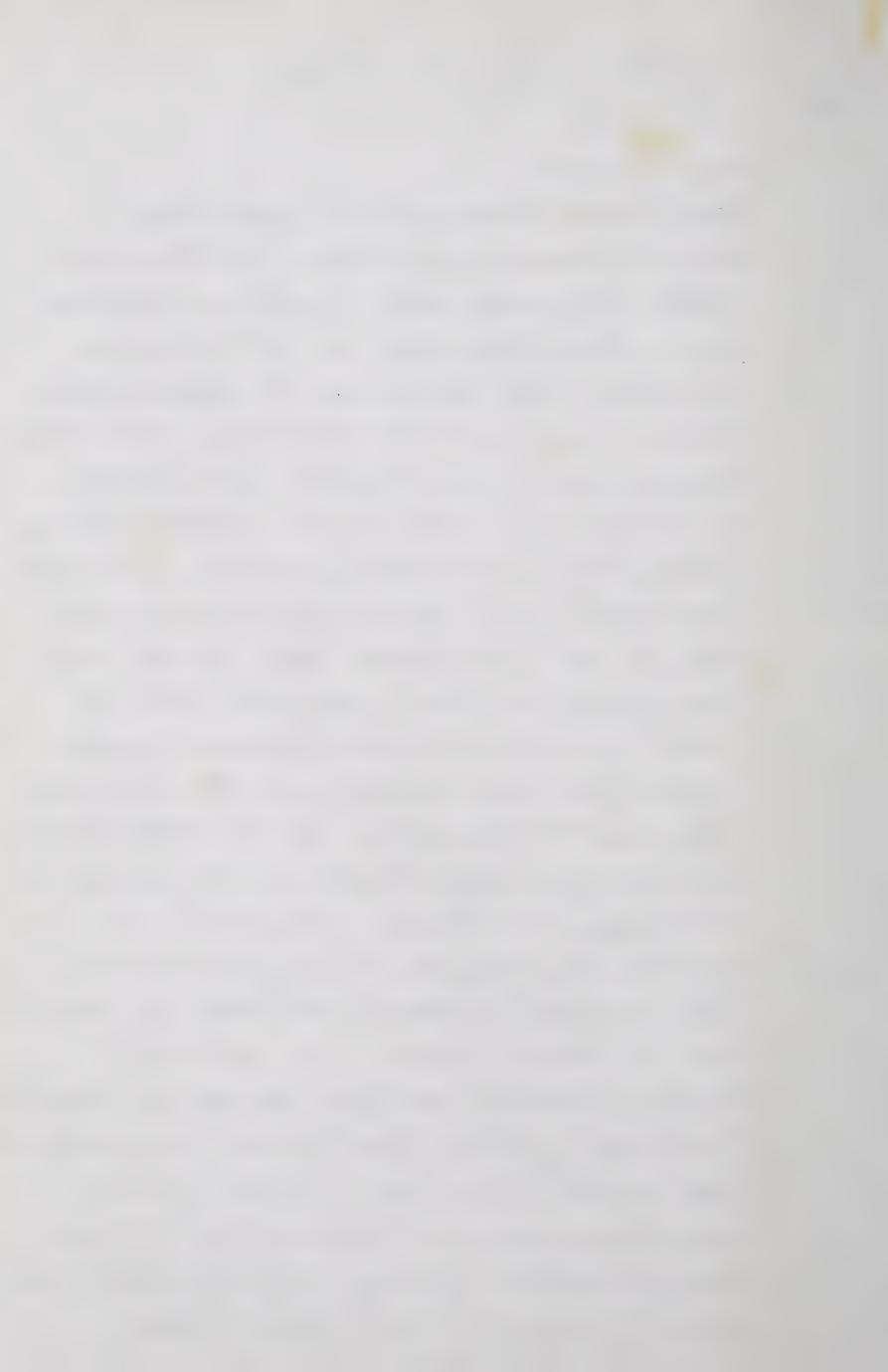
After lunch we headed for Strekton, + frieding numerous diggings along US 99, about 2-3 mi. In Stockton we stopped + set out some trips. I had difficulty locating the holes under the mounds + made only 4 sets. The soil is somewhat more sandy, less clayey than mear Sacraments, + the burrows much



Stockton, San Joaquin Co. California Begron, Contre Costa Co.,

may 10, 1935 (cont.)

larger. Barend Sacramento I had almost always to enlarge the burrous to get the trops in but there near Stockets are big enough so that I can put my whole hand in. - Leaving these traps we went to Byson, in Contra Costa County, about 20 mi. PW Stockton, Between Stockton + Byron are the Old + middle Rivers, + the San Joaquin River, asound which is a long stretch of low, marshy and peaty land, in which we saw no gopher diggings. Kell-wing Blackburds were extremely numerous all along this road. About 1/2 mi. N Byson we found many diggings along the road, + set out some traps. I put out 4 sets. These diggings were all in a very hard, black dist (adobe?) in which were mused runnerous angular rocks. It was tough work digging out the holes, for us; - These must be tough gophers. Like the Stocketon burrows, these were of quite large diameter. In the mounds, & in the st plugged up entrances, I found much cut vegetation, some quite fresh. When any of this showed on tops of the mound, I found I could locate the burrow easily by following it down. - we went back to Stockton + looked at our traps. Mine were not touched -Sprinkle got I gopher. I pulled up one of my doubles reset, so that I now have 5 sets there, + 4 sets near Byron nine sets to leave out for the night. Tonight was spent skinning; I put up three skins. Sprinkle put up 2 skins & cleaned a skull.



Engels 1935

Nov. 7, 1935. Left Berkeley about 5; 30 this afternoon with Roger Sprinkle in the mureum Reo trucks.

Drove here (Merced) via Tracy + modesto,
arriving about 9: 30 p.m. Evening clear + cold.

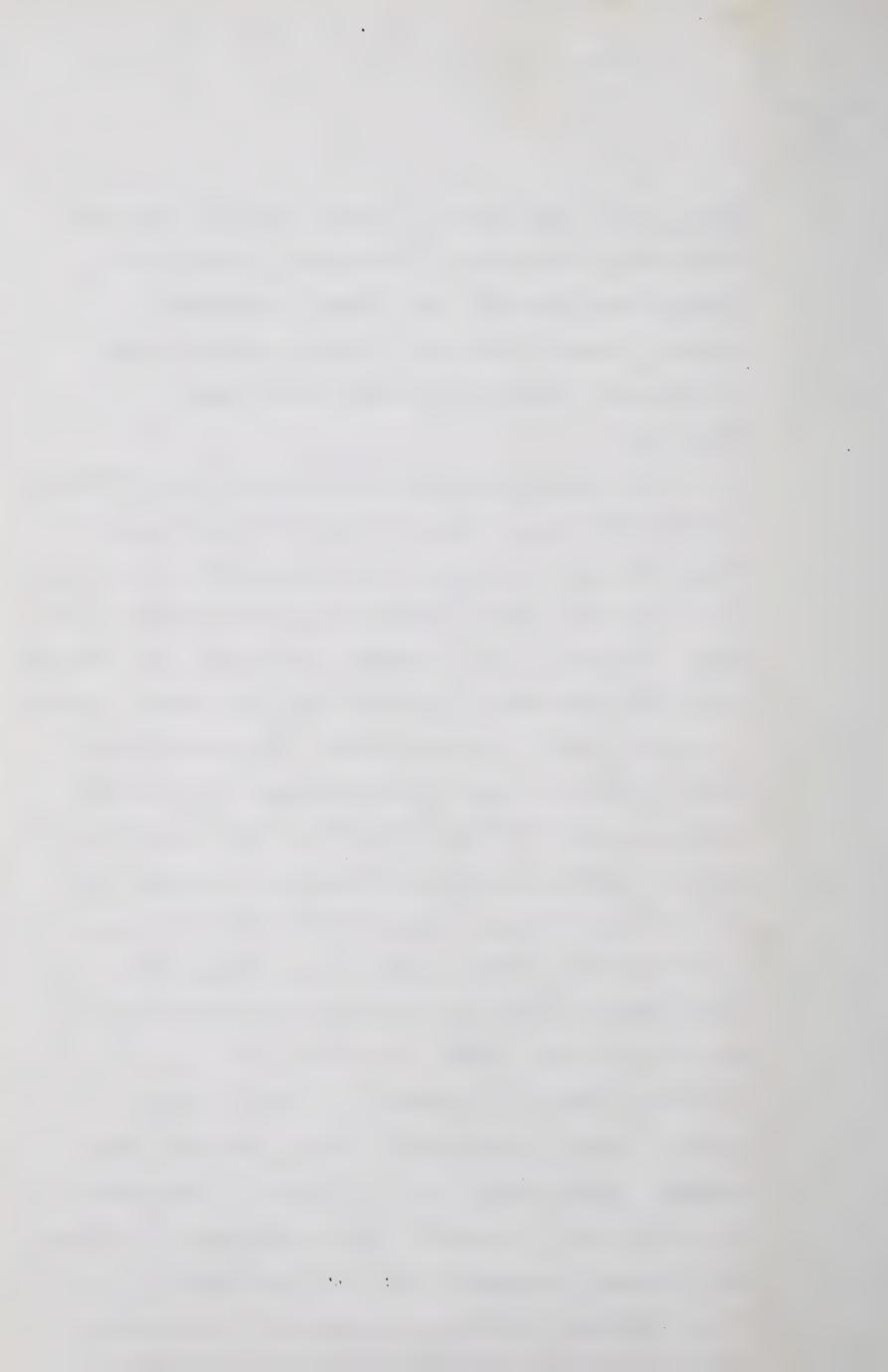
Put up in a cabin at Cronk's auto Camp.

Nov. 8, 1935:

This morning we drove out of Mercel toward El Mids, about 53%, leaving near 8: oiclock. The land herebout is very flat, as far as one can see to the south, west a north. To the east the Suira foothells were barely visible in the haze. Itopped by the roadside, 6.2 nules 55% of Mercel, and both Sprinkle & I set out traps for pocket gophers. I made 10 sets, 2 of them doubles. The ground is very hard, black & lumpy it was not law diggins. While making one set I heard something behind me, turned, & saw a gopher pushing his head out of an open hole in a clump of grass about 15 feet way, there was no dirt about this opening. Later I set a trap there.

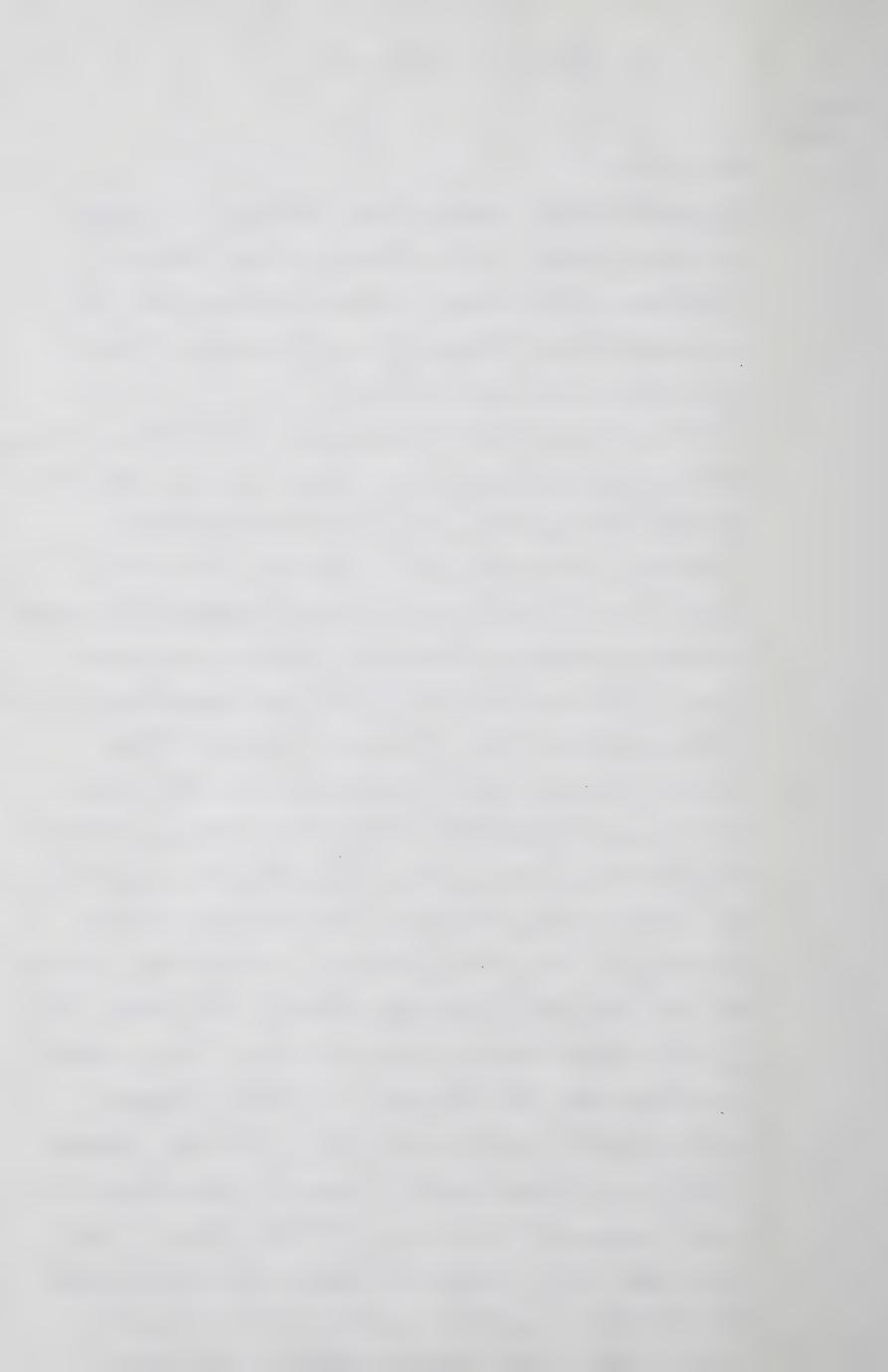
Pocket gopher workings were very numerous along the roadside & in the fields all around here.

Scattered along the roadside we saw many tufts of cotton, apparently blown around from nearby cotton fields, one of which we saw some 3-4 miles see merced. Saw a Spilogale by the road, but thoroughly smashed, I we did not pick it up. one Citclies sitting on a fence-post. Birds seen along the road included Shrikes, English spanows,



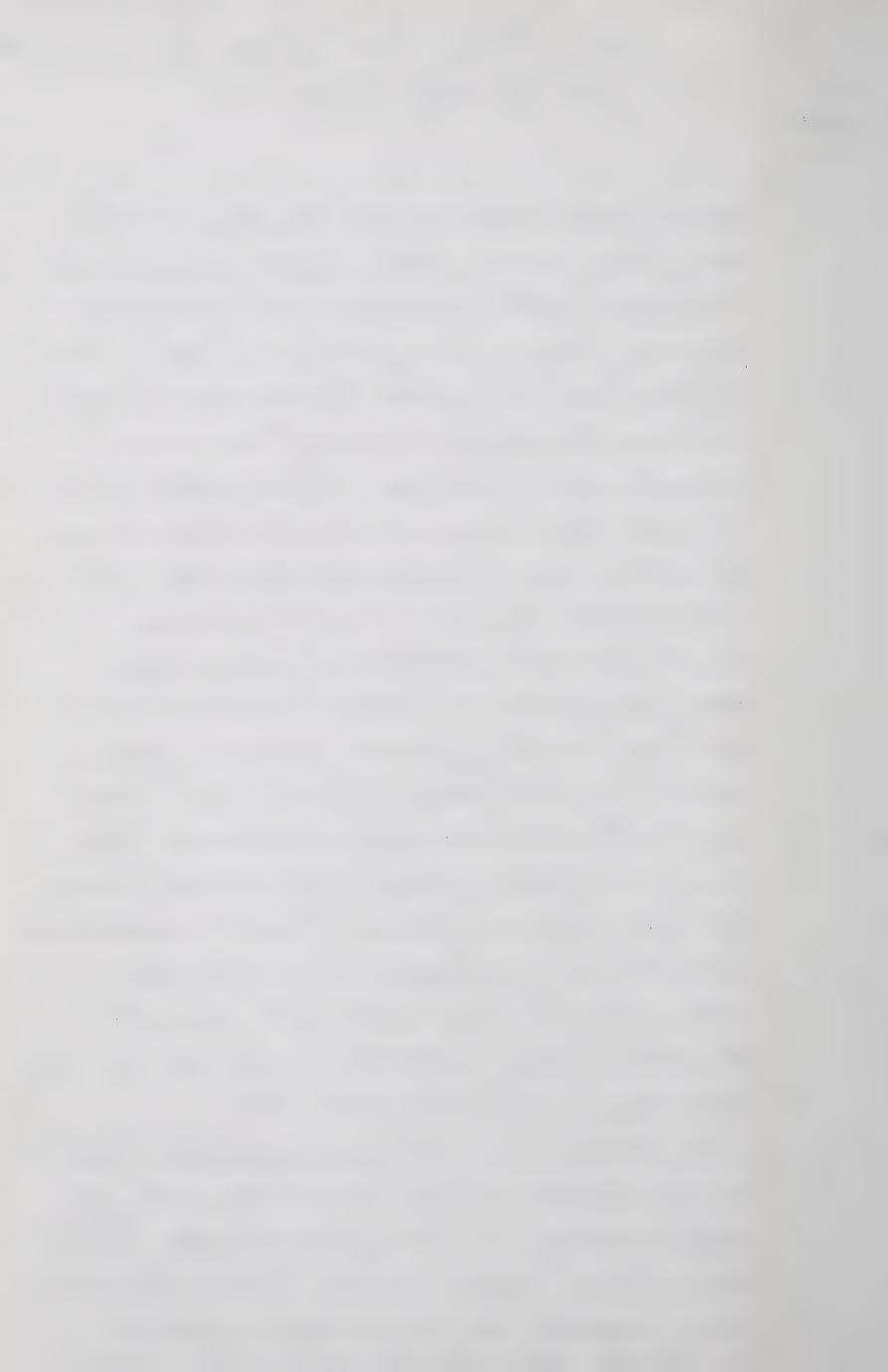
Engels 1935

Nov. 8, 1935 Brewer Blackbirds, Meadow-larks, Killdeer, 2 Crows, 1 Sparrow Hawk, I large, brownish Howho with a conspicuous white rump, + rumerous small bids not identifiable from the car by me. Returned to Cronk's auto Camp at 11:00 am to have lunch. Ofter bunch we checked out of the camp, + started for Los Banos, stopping again to pick up our trapes 6,2 mi. ssw merced. Sprinkle had 2 gophers; I caught 3 pocket gophers. Continuing on our way to Los Banos. - In a canal about 10 mi. & Los Banos we saw 3 Great Blue Herons Further on toward Tos Banos we passed rumerous ponds, pools + ditches, in which were tundreds of Coots. be saw no duckes here. Twice we passed large flocks of sheep, and it each time we saw scores of Brewers Blackburds among them, many perched on the threads + necks of the sheep. Arrived at for Banos we stocked with provisions, obtained keys to her rauch from Mrs Clara Iweeney, + directions, + went on we had great difficulty locating the ranch, but finally arrived there near 5:00 p.m. This is about 22 miles wow Los Banos, in Herrero Camyon, in the footbells on the west side of the San Joaquen Valley, in Mirced County, man the San Benito Co. line, somewhat south of Pacheco Pars ( see 1. S. topo sheet, California: Preien Labe Juadrangle). (alt. 1250 ft.). To get there one turns south from the Pacheco road in the western outskirts of Fox Banos,



## Sweeney Rouch, Herrero Cauyon, 22mi. wsw.Los Baros Merced county, California

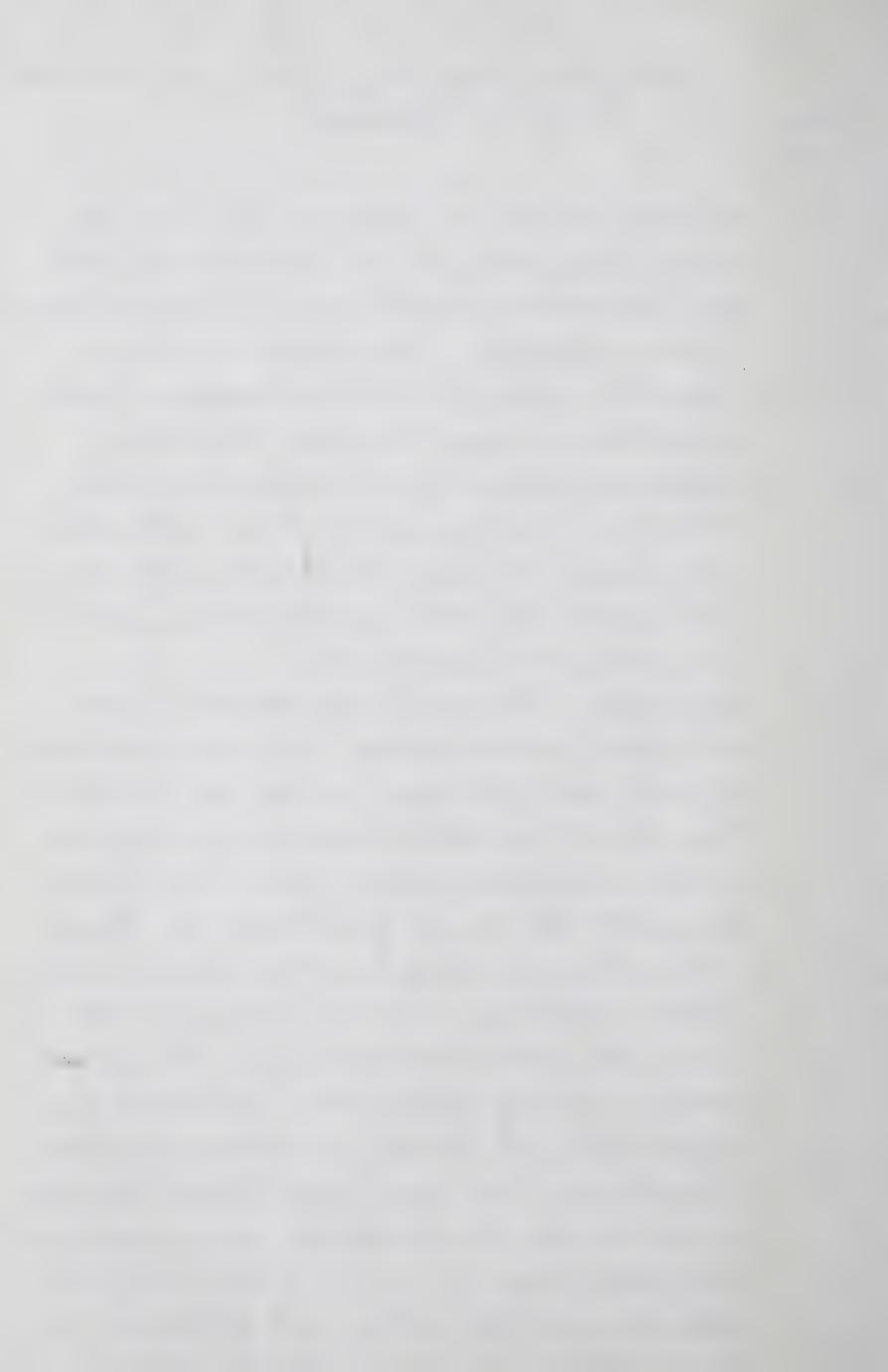
opposite a tavern called Red Star Jun. Drive about six miles; here is a cross-toat + a grove of pepper trees. Turn right ( west) & drive for about two miles, where there is a gasoline plant (Sheel) on the right. I were left here, into the footbills. There are several broad roads over the flat a hells, running beside + across one another. Several miles on, a born appears on the left. Just before one reaches the barn the roads swing left. Follow there. a windwell shows up on the right. Not far beyond is a small ranch-house, + a lone oil-well on the hell back of it. This is about 13 mi. from Los Banos. Continue straight on to a cross-wad, a mile or so further, where there is a munder of abandoned buildings off to the right. Turn right at the cross-roads, post the abandoned ranch, Coming to a fence inclosing a low wet spot, turn left along the fence, following it past a small house, at the base of a big helt further on is a swinging wooden gate in the fence on the right turn in here. this is the entrance to Herrero Canyon; the Sweeney nauch house is a few miles up theo road. These tills are alive with ground squirels, riddled with their burrows, + crisserossed by their well-besten browner surface runways. he distinguished smaller redder ones, + larger grayer ognirrels. Dan 4 Burrowing Owle + collected one. Saw 2 Brish Rabbits + Collected one. Oprinkle collected a Black. tailed fack Robbit



Sweeney Ranch, Herrero Conyon, 22 mi. wsw Los Banos, Mercel Co., California.

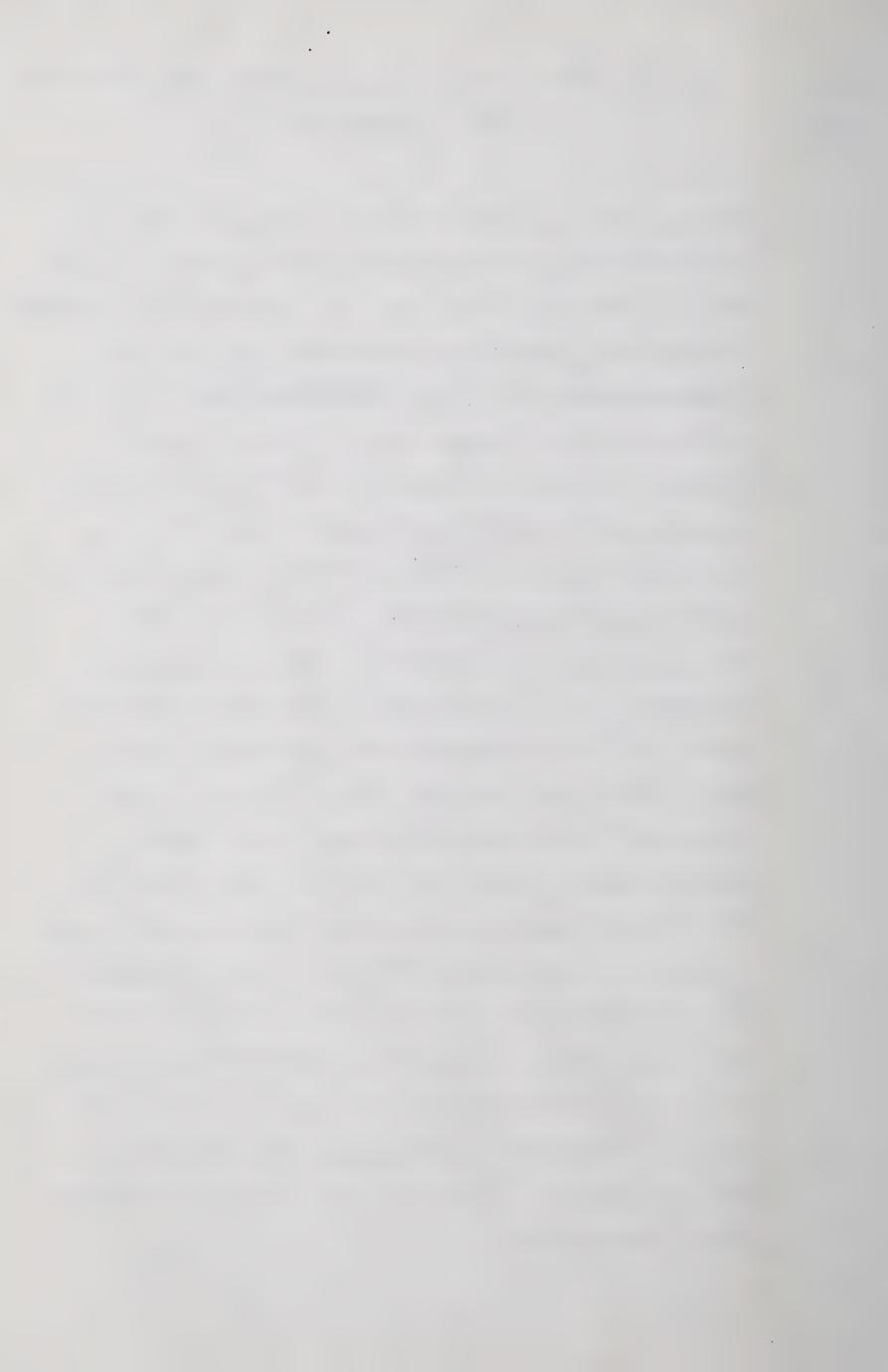
He only one we saw, we also saw hundreds of Horned Larks coming in here. At the st wet spot first before entering Herrero Canyon (Carrisalito Spring?) we saw I Kildeer. Arrived at the Rauch we unpacked + while Sprinkle started supper I took a short-awing around the hills. Collected a California Thrasher on the flank of Sweeney Hill, south of the ranch-towere, at about 1500 fot. Heard many quail in the canyon below. These hills were also riddled with ground-squired workings, but I saw no signs of packet-gophers.

Nov. 9, 1935. This morning early sprinkle + I set out & found gropher workings on the sides of the hells on the south wall of the campon, just son west of the ranchhouse. The soil was reddish in color, & very rocky. The mounds were difficult to spot because the hellsides are riddled with ground-squirel workings. I made 9 sets, When I ran the trip line at noon I found only one golpher. I pulled up 2 other sets, leaving 6, x made 6 more sets further west in the canyon. The gofsher workings are not only difficult to spot, but exceedingly difficult to dig out, because of the rackiness of the soil. This afternoon I saw many Brush-Kabbits, especially on one hell mas the west-end of the canyon, on the south wall, where I saw to in a half-hour, + shot two. Both skins were badly shot up, + I will make up the skulls only, in the morning. These rabbits were



Sweeney Ranch, Herrero Canyon, 22 mi. wew Los Banos, Viercel Co., California.

too easy - they jumpel out from under foot, ran only a short distance + then stopped, sitting still, usually stil in Jull view. Also saw one Black tailed jack Rabbitle Although the ground-squired burrows are everywhere, the the criserons putterns of their surface runs, I saw groundsquirels only in a small flat at the bottom of the Canyon just west of the ranch house. They were very alert - as I would come to the top of the hell, 200 or more feet above them and more than Soo fut away, I could see them scurry from all sides of the flat to their burrows toward the center. It was impossible to approach them within shot- gren range. Mrs. Sweeney, who Came out to the ranch tonight, said she placed porson-gram all over this flat, about the fresh-burrow entrances, about two months ago, I was sure she had kelled off all the squerrels There at that time. If she did, at least two score have come in from the surrounding territory in the post two-mouths - I saw at least that many, Saw another California Thrasher this morning, and a Long-cared owl in the cottonwood at the ranch house.



2

Engels, W.L. Arizona, 1936



Sweeney Ranch, 22 mi. wow Los Banos, merced Co., California

1500 ft. Nov. 9, 1935 3068 Thomomys 225-70-29-5 Testis 12 mm. Nov. 10, 1935 1500/4. 307 6 Thomerup 195-63-26-4 Testis 11 mm. 308 9 " 170-50-21-3
309 ? Tylvilegus skull only.
310 ? " "
311 & Thomomys 312 Salpincies o. obsoleties alcoholic 313 Graus woht 406y. W.295; T. 175 alcoholic thrown out 314 Corvus wght. 395 gr. W285 T 170 315 Cours Berkeley, alsmeda Co. Calif. May 14, 1936 316? Tovostoma redivivum sonomae. Skeleton. C-323 448 Picked up by C.W. Quaintance, bed Strawberry Creek, below poultry lab., Strawbury Canyon. Ital for some days, los banded Dec. 6, 1935 "about half-way up amale canyer north of Strewherry swimming pool (Mary Erickson, note), 8 miles south Coolidge, Penal County arizona. -317 & Toxostoma lecontii skeleton 57.0 gr. · 318 Sjr. 51.0 gr. 59,5 gr. · 319 8jv. " 51.5 gr. . 320 PJV. 67. gr. 3219

1322 9T. G. palmeri

76.591



Engels 8 mi. south Coolidge, Pinal County arizona c936 . 323 d'Toxostoma bendirei skeletom 59.091. -324 8 u dossale skilden 64.5 gr. May 25, 1936 3158 Dipodomys 235 × 140 × 35. ear 10 39915 desdis 10 mm 327 & Perognathus 3 328 0 «

stend only 250 × 150 × 36 ear 11 36 grs. festis 6 mm. 175×95×20 ean 6. 15.5915. kotis 8 mm 180-100-21 - 6 Astis 7 mm 19.0 91. 329 51 185-98-21-18.5 7. kolio 6 mm 330 & neotoma 310-135-33-26 142. gr. Ledis 9 ruman 331 8 4 126 91. 305-135-33-25 testis 6 mm 332 Night Hawk. Skileton och skelet ad 62 grs. · 334 3Toxostoria lecontei 62 grs. 335 Qiotostoma dorsile 57gm. · 336 jo. Toxostoma dorsale 56913. skelven 11 mi. S Coolidge, Pinal Co., ariz. may 25, 1936. 337 & Toxostoma bendirei 55.5 gs. 5 mis. S Picacho P.O. Pinal Co., ariz. May 26, 1936.
338 & Toxostoma c. palmeri wept. 65,5 gg. , 339 5° 7491.
27.591 \ masthing of presiding pair
38 gr 340 ju alcohol 75.5 gr. nest of preceding 51.091 69 gn.

73.5 gn.



## 5 mi. 5 Picacho P.O., Pinal Co., arizona

Engls
1936

May 26, 1936

347 jv. Toxostoma C. palmeri
alcohol jv.

"" 2. } nestling of pair 4891. 349 of Caches ween May 27, 1936
350 & Toxostoma c. palmeni
351 & "

Skel. O 75 gr. 82,5gr. 352 P " "

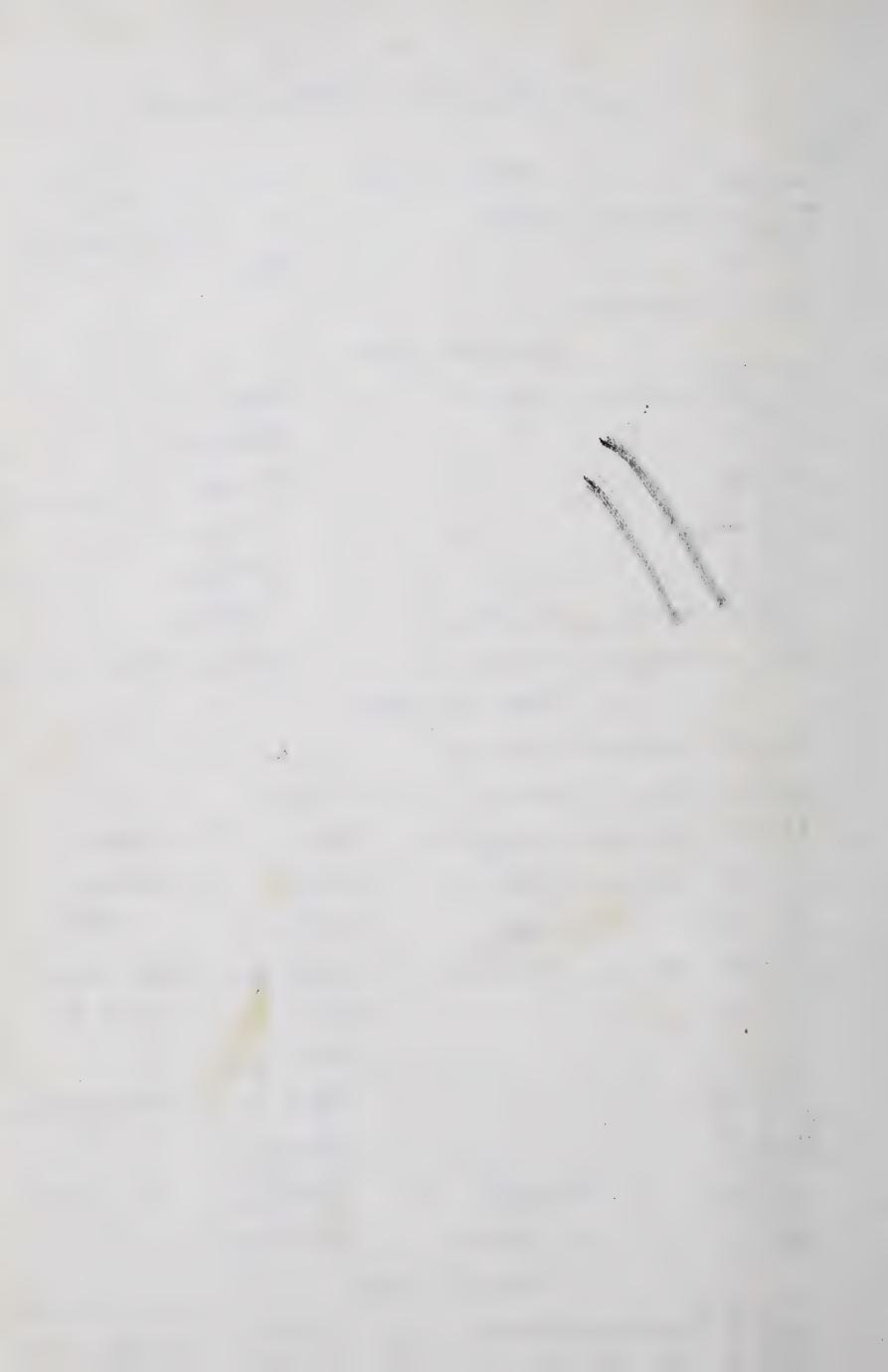
Skel,
353 imm. ? "

Skel,
354 P " " 71. gr. in post. jw. molt. 74.0 gr. . 355 3 Toxostoma bendirei 356 jv. Heleolytes b. coursi May 28, 1936 18.5 gs. very young nestling. 357 & Heleodykes b. conesi V 358 jo. 5 Lanins l. Sonoriensis 42.5 97. v 359 3 Centurus u. uropygialis testes 9 mm. 76.092. 56.0 gr. Lestis 14 mm 56.0 gr. (chaile) v 360 8 Toxostoma Ludirei 1361 8 2 4 70.5 gr. kotis quem 83.5 gr. " 16 4 364 9 u n "
sne 365 8 h u 62.5 gr Hertis 13 mm h u · 79,5 " 366 8 ca la la 73.0 gr. 367 o 4 bendiei 52.5 p. " 9 mm 368 ju. c. palmer 18.5 gr. May 29, 1936 369 2 Toxostoma dorsale m post-jur rust. 52.5gn. 2 nestlings.

-370 g u

C. palmeri

76.591.



Engls 5 mi. S Picacho P.D., Pinal Co., ariz. May 29, 1936 (cont.) jv. Tokostoma c. palmeri ught 53 gv. \ nextlingramak.
jv. 49 gr. no. 370. 372 p. Chripoides Found strick in shows of cholle caches below en hance to nest. jv. Helestykes b. couesi 3 mile W Coolidge Prival Co., aris.
May 30, 1936 , 375 9 Toxostoma dorsale. 57.5gr. . 376 8 nestling of preceding 64.0g1. 30.5gr. .378 testis 6 mm ohel ~379 c. palmeri 84gr. " 18 mm 380 g bendirei 63.5gn. .3813 bendirei 63,5 gn. skel 382 9 56.5 91. 383 6 Mesting of preceding pate, 51.91. ale + breast + herd skin. bendirei 384 jo, Toxostorus 41,591. May 31, 1936. V 385 & Pipilo aberti Hoke 11 mm. ires deck brown. 47 gr. 386 of Toxostoma bendinei \*kul + bygast + hudskin 387 Ogv. "

5kul

388 of "

4 61 gr. testis 13 mm 5391 62 gr. Listis 12 rum donsale 61.591. · 7 mm June 1, 1936. 390 jv. Otus asio gilmani full sizel + getting about. 391 jv. Toxostoma c. palmeri 392 ad. " 27.5 yr. back of car shin same color a farmer bad grey barries bed grey 82 gr. horning parts pale levender tip of trongene black - propular white 393 jo. Geococeyx californiams

111.0 gr.



3 mi. W Coolidge, Pinal Co. Oriz. June 1: 1936 (Cont.)
Toxostoma hendirii iris piony, imang bushis. ale. jo, Toxostoma hendirei , 395 56 gr. (parent of preceding) spel 3 " donsale . 396 59 gr. Lealis 7 mm shel & Butes swainsoni 7/19. Househ contesto: grasshoppers only 3 Toxostoma dorsale 62.5 gr. Hedis 7 mm 55.0 gr. Toxostoma bendirei June 2, 1936

Literin 16 mm

costonne bendirei 6/91. R = 14 =

donsale 58.591.

2 testi 8 mm

b4 gp. 12 = 6 = , 400 F 401 9 · 402 8 6 mi. N Olberg P.O., Pinal Co., Ariz.

June 2, 1936

403 js. Toxostoma c. palmeri 25.59r.

april 190. " 59.9r. fledgling, unable to 59.9r. fly. Tail 75 min 2 mi N Horence, Pinal Co., ariz. June 2, 1936.

405 & Toxostoma c. palmeri 78 gs. R. 13 " molting middle primeries

405 js. & " lecontei 55 gs.

55 gs.

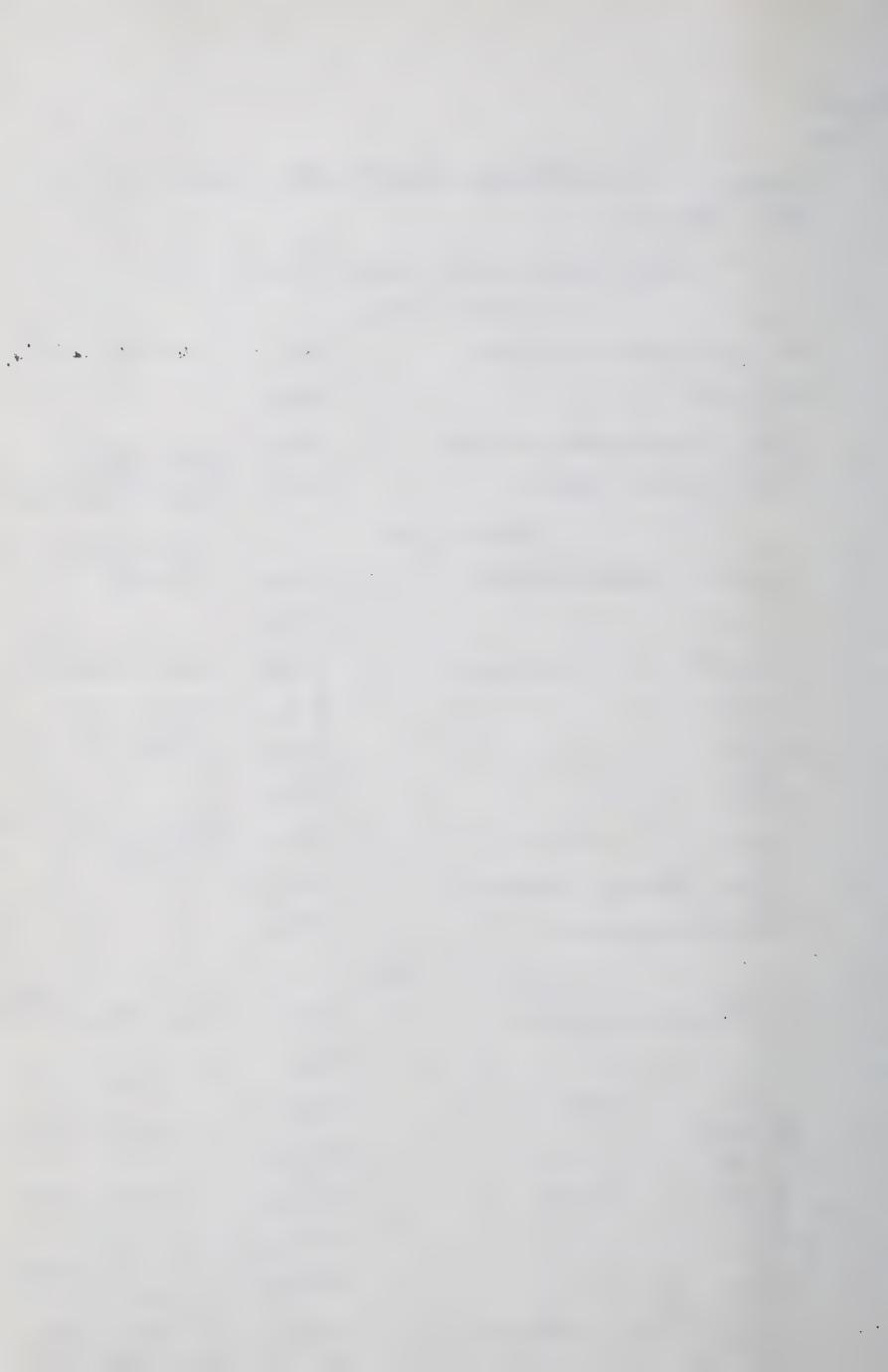
407 \ 9 4 " 65,5 gs. " teil feethers" June 3, 1936. 408 7 Toxostoma lecontei 59 gr. and middle tail pertur 57 gr. . bendirei 54.5 gr. · post- juen molt just beginning -4148



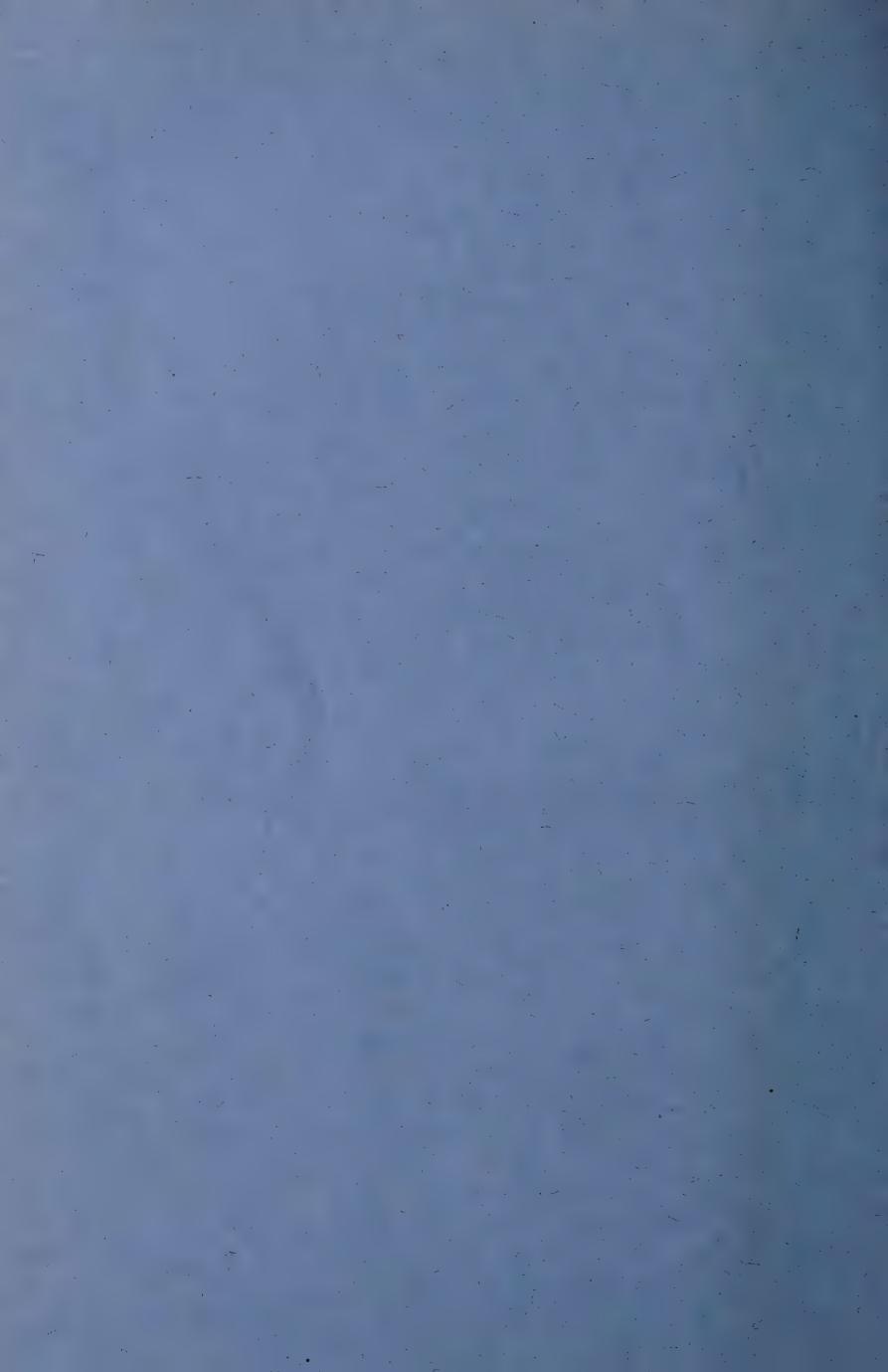
Engels 1936 Richap 2 mi. N Horence, Pinal Co, ariz. June 3, 1936 415 Dipodomys Rillito Cruk, 5mi. N Tucson, Pina Co., ariz. June 3, 1936 416 jv. 8 Toxostone dorsale 417 jv. 4 in post-jew. most. 55 gr. 56 gn. 418 micropallas whitneyi skel imm 419 & Butes boreslis 38 gr. Shot about 7 pm Syoung quail in quelet (1 Kangaroo det in gizzerd 929 gr. stal v420 imm & Toxostoma dorsale post jo most almost complete 53 gr. H21 9 " 57 gn. shil in post jv. molt. 422 jv.8° ° c. palmeri 423 8° u « -424 9° u « 422 jv. 8 71 91. 81 gr. 1. Kestis 17mm. 7 eggs laid : I in 81 91. 4259 u 7091. I sitting in marquite; no 426 jv. " bendirei 4391. flew 50 ft. 427 jv. Minus p. leucoptines 35.5q1.1 428 9 Falco Sparveius 89.5gn. skel. jv. June 5, 1936. + 429 8 Toxostoma c. palmeri L. Keskis 3 mm. I in port. jv. 69 gn. 1 430 4 m 79 11. quite fat. bendirei 5891. in post jiw. most 53 91. - 433 jv. 9 - - 434 0 . dorsale 55.5gr an post-jo molt R. .. 6 65,5g1. ale 435 jv. "
skel imm
436 jr. 9 Pipilo J. mesolencus
ale F. Prophuloxia in post-jon molt 56.5 gr.

post jv. moet almost complete.

892. Snestling about 2 days
old. Next in Choila cactur

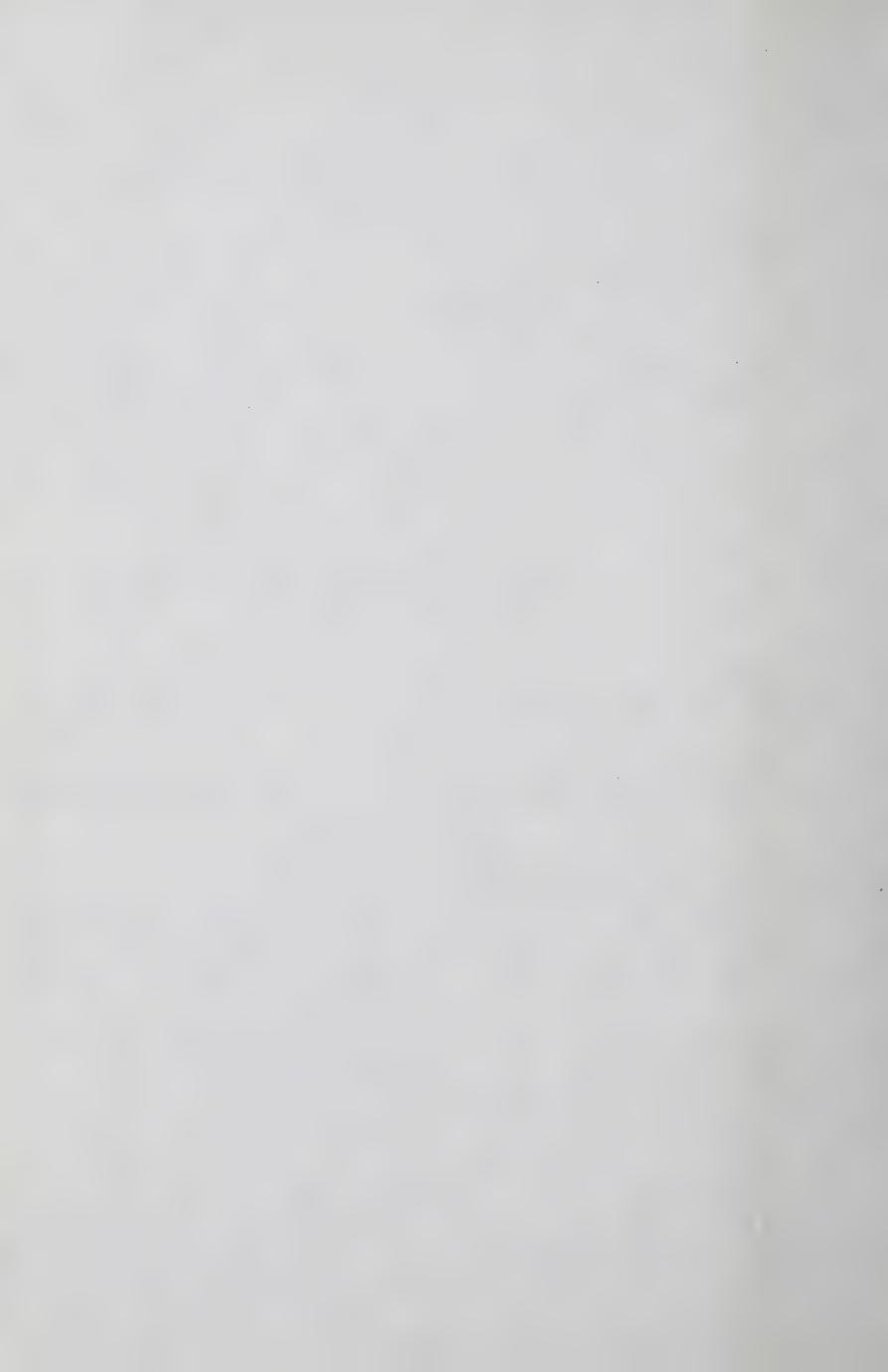


Engels, W.L. Misconein 1936



Engels 1936

	H. Lowell, Pina Co., ariz.
· · · · · · · · · · · · · · · · · · ·	
438	France 6, 1936 Prestona 305-140-31-22 157.7 gr.
6439	9 Perognathus 205-115-26-6 27. gr.
440	Torostoma c. palmeri. 3 embryos. several days before hatching.
441	Topostoma c. palmeri. 3 embryos. several days before hatching.
	2 mi NE 74. Lowell, Pina Co. Rris
ule	4
442	Lizard Caught on brunk of magazite
	Red Banks, 12 mi NE Green Bay
	Brown Co., Wisconsin
ale -	v. June 17, 1936 (only nextline in next
443	Dunetella Carolineuris, (only nestling in next. another out of next in adjacent celler thicket
ale	June 22, 1936
777	W. Warmerella Carolineuses one of 3 missing o will day of.
ale	June 23, 1936  ad. Dumetella carolineusis  jv. ome of 4 mestling, few days  jv. Toxostorna rufum one of 2 mestlings several days ld.
445	ad. Dunetella carolineusis
446	jo, " one of 4 nestling few days
447	jo. Toxostorna rufum om f z nestlings severeldings eld.
Tierl	jo. 8 Toxostoma rupum, fledgling, tail 85 nm (shooth about 25 nm) rogger Quentelle Carolineusis
skil	10.6 Toxostoma rupum, fledgling, tail 85 mm (shooth about 25 mm) by
steel steel	4 Dunitelle Carolineuses
alc	or the formand of the first of
451 ala (150	
452	
453 ale 454	jv. " nestling; litter make of 444; collected 48 hrs. låker
454	jo. " " " " " " " " " " " " " " " " " " "



Engels Red Banks, 12 mis NE green Bay, Brown Co. Wisc. 1936 joDunetella Carolinensis löttermate of 444+453; 24hrs after 453 (446+454; 24 hun ofter 454 " 457 jumpel out of met + ran. 458 embryo Dunutella carolineusis 459 is from nest of 3 appo.

app laid flue 25,

fune 26, 4 June 27. 459 j 460 jv. July 9, 1936 461 embryo Dunetella carolinensis July 12, 1936 11-12 days washe how egg probably haid for 28; rest custained I formy to sacked agg beside July 12, 1936 462 jr. Dumetella carolinanis hutched July 1000 July 13, 1936 463 jo Dumetella Carolinencis July 23, 1936 1 of 2 young, 5- 6 days all. 464 js. Dumetella Carolinensis ale. Beskeley, Alameda Co., 465 jo Tyto alba prut California 6002gr. 489.4gr. 467 jv. 8 525.0gr. 468 jv. 8 515.3 gr 516,391. 469 jv. 8

